




F I V E 
ESTUARIES
OFFSHORE WIND FARM

FIVE ESTUARIES
OFFSHORE WIND FARM
ENVIRONMENTAL STATEMENT

VOLUME 6, PART 6, ANNEX 3.1: FTE
EMPLOYMENT AND GVA HEADLINES

Application Reference	EN010115
Application Document Number	6.6.3.1
Revision	A
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Project	Five Estuaries Offshore Wind Farm
Sub-Project or Package	Environmental Statement
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Revision	Date	Status/Reason for Issue	Originator	Checked	Approved
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FIVE ESTUARIES INDICATIVE GVA AND FTE YEARS ESTIMATE (LOWER)

Level 0	Level 1	Level 2	Phase	Off/Onshore	Total GVA	Total FTE Years	% Local	Local GVA	Local FTE Years	% National	National GVA	National FTE Years	
Development and project management	Onshore developing, engineering, and permitting	Onshore developing, engineering, and permitting	Pre-Construction	Onshore	£ 24,150,000	310	2%	£ 483,000	6	77%	£ 18,595,500	239	
	Offshore developing, engineering, and permitting	Offshore developing, engineering, and permitting	Pre-Construction	Offshore	£ 24,060,000	270	2%	£ 481,200	5	77%	£ 18,526,200	208	
	Project management (technical and non-technical)	Project management (technical and non-technical)	Pre-Construction	Onshore	£ 48,900,000	550	2%	£ 978,000	11	77%	£ 37,653,000	424	
Turbine	Turbine nacelle and hub	Turbine nacelle and hub	Construction	Offshore							£ -	-	
	Turbine blades	Turbine blades	Construction	Offshore	£ 5,284,444	68	0%	£ -	-	12%	£ 634,133	8	
	Turbine tower	Turbine tower	Construction	Offshore							£ -	-	
	Turbine others	Turbine others	Construction	Offshore	£ 1,936,111	23	0%	£ -	-	12%	£ 232,333	3	
Balance of plant	Foundation	Foundation	Construction	Offshore	£ 35,926,250	473		£ -	-	40%	£ 14,370,500	189	
	Array cable	Array cable	Construction	Offshore	£ 6,867,500	91		£ -	-	45%	£ 3,090,375	41	
	Onshore export cable	Onshore export cable	Construction	Onshore							£ -	-	
	Offshore export cable	Offshore export cable	Construction	Offshore							£ -	-	
	Cable Protection	Cable Protection	Construction	Offshore	£ 620,694	6		£ -	-	70%	£ 434,486	4	
	Onshore electricals	Onshore electricals	Construction	Onshore	£ 1,920,000	30	2%	£ 38,400	1	12%	£ 230,400	4	
	Buildings, access, and security	Buildings, access, and security	Construction	Onshore	£ 5,490,000	70	40%	£ 2,196,000	28	80%	£ 4,392,000	56	
	Offshore electricals	Offshore electricals	Construction	Offshore	£ 3,840,000	50	2%	£ 76,800	1	12%	£ 460,800	6	
	Offshore substation	Foundation	Construction	Offshore							£ -	-	
	Topside	Topside	Construction	Offshore							£ -	-	
Others	Others	Construction	Offshore							£ -	-		
Installation and commissioning	Turbine installation and commissioning	Turbine installation and commissioning	Construction	Offshore	£ 13,683,750	142	2%	£ 273,675	3	17%	£ 2,326,238	24	
	Foundation installation	Foundation installation	Construction	Offshore	£ 2,716,250	28	2%	£ 54,325	1	7%	£ 190,138	2	
	Array cable installation	Array cable installation	Construction	Offshore	£ 1,258,472	11	2%	£ 25,169	0	4%	£ 50,339	0	
	Offshore export cable installation	Offshore export cable installation	Construction	Offshore	£ 1,896,250	23	5%	£ 94,813	1	10%	£ 189,625	2	
	Offshore substation installation	Offshore substation installation	Construction	Offshore	£ 381,528	6	2%	£ 7,631	0	7%	£ 26,707	0	
	Onshore substation installation	Enabling works	Enabling works	Construction	Onshore	£ 463,454	7	30%	£ 139,036	2	85%	£ 393,936	6
		Buildings	Buildings	Construction	Onshore	£ 1,905,933	24	30%	£ 571,780	7	85%	£ 1,620,043	20
		Steel fabrications	Steel fabrications	Construction	Onshore	£ 794,492	10	30%	£ 238,348	3	85%	£ 675,319	8
		Onshore substation civil works	Onshore substation civil works	Construction	Onshore	£ 5,537,796	69	30%	£ 1,661,339	21	85%	£ 4,707,126	59
		Site management	Site management	Construction	Onshore	£ 1,810,010	25	30%	£ 543,003	8	85%	£ 1,538,509	21
		Electrical works	Electrical works	Construction	Onshore	£ 4,703,952	62	20%	£ 940,790	12	70%	£ 3,292,766	44
	Onshore export cable installation	Horizontal directional drilling	Horizontal directional drilling	Construction	Onshore	£ 10,097,813	115	20%	£ 2,019,563	23	70%	£ 7,068,469	81
		Onshore export cable civil works	Onshore export cable civil works	Construction	Onshore	£ 34,225,403	404	20%	£ 6,845,081	81	70%	£ 23,957,782	283
		Cable terminations	Cable terminations	Construction	Onshore	£ 5,407,482	66	20%	£ 1,081,496	13	70%	£ 3,785,237	46
		Operations base construction	Operations base materials	Construction	Onshore	£ 17,270,000	200	40%	£ 6,908,000	80	80%	£ 13,816,000	160
	Operations base construction	Operations base equipment	Operations base equipment	Construction	Onshore	£ 4,320,000	50	40%	£ 1,728,000	20	80%	£ 3,456,000	40
		Operations base labour	Operations base labour	Construction	Onshore	£ 7,200,000	80	40%	£ 2,880,000	32	80%	£ 5,760,000	64
Wind farm administration		Wind farm administration	Operation	Offshore	£ 13,826,111	137	40%	£ 5,530,444	55	80%	£ 11,060,889	109	
Vessel operation		Vessel operation	Operation	Offshore	£ 28,085,000	273	60%	£ 16,851,000	164	65%	£ 18,255,250	178	
Training and health and safety		Training and health and safety	Operation	Offshore	£ 4,459,889	46	5%	£ 222,994	2	65%	£ 2,898,928	30	
Operations, maintenance, and service	Routine and minor maintenance	Routine and minor maintenance	Operation	Offshore	£ 143,818,889	1,481	30%	£ 43,145,667	444	70%	£ 100,673,222	1,036	
	Major component maintenance	Major component maintenance	Operation	Offshore	£ 1,913,333	18	0%	£ -	-	5%	£ 95,667	1	
	Foundation maintenance	Foundation maintenance	Operation	Offshore	£ 44,671,778	492	30%	£ 13,401,533	148	70%	£ 31,270,244	344	
	Offshore cable maintenance	Offshore cable maintenance	Operation	Offshore	£ 6,081,667	68	30%	£ 1,824,500	21	70%	£ 4,257,167	48	
Balance of plant maintenance	Substation maintenance	Substation maintenance	Operation	Offshore	£ 17,370,333	191	30%	£ 5,211,100	57	70%	£ 12,159,233	134	
	Transmission maintenance onshore	Transmission maintenance onshore	Operation	Onshore	£ 12,710,000	140	30%	£ 3,813,000	42	70%	£ 8,897,000	98	
Decommissioning	Decommissioning	Decommissioning	Offshore	£ 21,826,806	194	20%	£ 4,365,361	39	40%	£ 8,730,722	77		



FIVE ESTUARIES INDICATIVE GVA AND FTE YEARS ESTIMATE (UPPER)

Level 0	Level 1	Level 2	Phase	Off/Onshore	Total GVA	Total FTE Years	% Local	Local GVA	Local FTE Years	% National	National GVA	National FTE Years	
Development and project management	Onshore developing, engineering, and permitting	Onshore developing, engineering, and permitting	Pre-Construction	Onshore	£ 24,150,000	310	2%	£ 483,000	6	77%	£ 18,595,500	239	
	Offshore developing, engineering, and permitting	Offshore developing, engineering, and permitting	Pre-Construction	Offshore	£ 24,060,000	270	2%	£ 481,200	5	77%	£ 18,526,200	208	
	Project management (technical and non-technical)	Project management (technical and non-technical)	Pre-Construction	Onshore	£ 48,900,000	550	2%	£ 978,000	11	77%	£ 37,653,000	424	
Turbine	Turbine nacelle and hub	Turbine nacelle and hub	Construction	Offshore							£ -	-	
	Turbine blades	Turbine blades	Construction	Offshore	£ 10,182,222	132	0%	£ -	-	12%	£ 1,221,867	16	
	Turbine tower	Turbine tower	Construction	Offshore							£ -	-	
	Turbine others	Turbine others	Construction	Offshore	£ 3,730,556	44	0%	£ -	-	12%	£ 447,667	5	
	Foundation	Foundation	Construction	Offshore	£ 69,223,750	911		£ -	-	40%	£ 27,689,500	364	
Balance of plant	Array cable	Array cable	Construction	Offshore	£ 13,232,500	176		£ -	-	45%	£ 5,954,625	79	
	Onshore export cable	Onshore export cable	Construction	Onshore							£ -	-	
	Offshore export cable	Offshore export cable	Construction	Offshore							£ -	-	
	Cable Protection	Cable Protection	Construction	Offshore	£ 1,195,972	11		£ -	-	70%	£ 837,181	8	
	Onshore substation equipment and components	Onshore electricals	Construction	Onshore	£ 1,920,000	30	2%	£ 38,400	1	12%	£ 230,400	4	
		Buildings, access, and security	Construction	Onshore	£ 5,490,000	70	40%	£ 2,196,000	28	80%	£ 4,392,000	56	
		Offshore electricals	Construction	Offshore	£ 3,840,000	50	2%	£ 76,800	1	12%	£ 460,800	6	
	Offshore substation	Foundation	Construction	Offshore							£ -	-	
		Topside	Construction	Offshore							£ -	-	
		Others	Construction	Offshore							£ -	-	
		Others	Construction	Offshore							£ -	-	
	Installation and commissioning	Turbine installation and commissioning	Turbine installation and commissioning	Construction	Offshore	£ 26,366,250	274	2%	£ 527,325	5	17%	£ 4,482,263	47
Foundation installation		Foundation installation	Construction	Offshore	£ 5,233,750	55	2%	£ 104,675	1	7%	£ 366,363	4	
Array cable installation		Array cable installation	Construction	Offshore	£ 2,424,861	22	2%	£ 48,497	0	4%	£ 96,994	1	
Offshore export cable installation		Offshore export cable installation	Construction	Offshore	£ 3,653,750	44	5%	£ 182,688	2	10%	£ 365,375	4	
Offshore substation installation		Offshore substation installation	Construction	Offshore	£ 735,139	11	2%	£ 14,703	0	7%	£ 51,460	1	
Onshore substation installation		Enabling works	Enabling works	Construction	Onshore	£ 463,454	7	30%	£ 139,036	2	85%	£ 393,936	6
		Buildings	Buildings	Construction	Onshore	£ 1,905,933	24	30%	£ 571,780	7	85%	£ 1,620,043	20
		Steel fabrications	Steel fabrications	Construction	Onshore	£ 794,492	10	30%	£ 238,348	3	85%	£ 675,319	8
		Onshore substation civil works	Onshore substation civil works	Construction	Onshore	£ 5,537,796	69	30%	£ 1,661,339	21	85%	£ 4,707,126	59
		Site management	Site management	Construction	Onshore	£ 1,810,010	25	30%	£ 543,003	8	85%	£ 1,538,509	21
		Electrical works	Electrical works	Construction	Onshore	£ 4,703,952	62	20%	£ 940,790	12	70%	£ 3,292,766	44
Onshore export cable installation		Horizontal directional drilling	Horizontal directional drilling	Construction	Onshore	£ 12,250,000	140	20%	£ 2,450,000	28	70%	£ 8,575,000	98
		Onshore export cable civil works	Onshore export cable civil works	Construction	Onshore	£ 41,520,000	490	20%	£ 8,304,000	98	70%	£ 29,064,000	343
		Cable terminations	Cable terminations	Construction	Onshore	£ 6,560,000	80	20%	£ 1,312,000	16	70%	£ 4,592,000	56
		Operations base materials	Operations base materials	Construction	Onshore	£ 17,270,000	200	40%	£ 6,908,000	80	80%	£ 13,816,000	160
Operations base construction		Operations base equipment	Operations base equipment	Construction	Onshore	£ 4,320,000	50	40%	£ 1,728,000	20	80%	£ 3,456,000	40
		Operations base labour	Operations base labour	Construction	Onshore	£ 7,200,000	80	40%	£ 2,880,000	32	80%	£ 5,760,000	64
Operations, maintenance, and service		Wind farm administration	Wind farm administration	Operation	Offshore	£ 44,400,926	439	40%	£ 17,760,370	176	80%	£ 35,520,741	351
	Operations	Vessel operation	Operation	Offshore	£ 90,191,667	878	60%	£ 54,115,000	527	65%	£ 58,624,583	571	
		Training and health and safety	Training and health and safety	Operation	Offshore	£ 14,322,407	146	5%	£ 716,120	7	65%	£ 9,309,565	95
		Routine and minor maintenance	Routine and minor maintenance	Operation	Offshore	£ 461,857,407	4,755	30%	£ 138,557,222	1,426	70%	£ 323,300,185	3,328
	Balance of plant maintenance	Major component maintenance	Major component maintenance	Operation	Offshore	£ 6,144,444	59	0%	£ -	-	5%	£ 307,222	3
		Foundation maintenance	Foundation maintenance	Operation	Offshore	£ 143,458,148	1,580	30%	£ 43,037,444	474	70%	£ 100,420,704	1,106
		Offshore cable maintenance	Offshore cable maintenance	Operation	Offshore	£ 19,530,556	219	30%	£ 5,859,167	66	70%	£ 13,671,389	154
Substation maintenance		Substation maintenance	Operation	Offshore	£ 55,782,778	614	30%	£ 16,734,833	184	70%	£ 39,047,944	430	
	Transmission maintenance onshore	Transmission maintenance onshore	Operation	Onshore	£ 12,710,000	140	30%	£ 3,813,000	42	70%	£ 8,897,000	98	
Decommissioning	Decommissioning	Decommissioning	Offshore	£ 42,056,528	373	20%	£ 8,411,306	75	40%	£ 16,822,611	149		



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OFFSHORE WIND FARM

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